



Standard DooCell Components

- Doosan Smart Touchscreen H
Automation Cell Controller
- FANUC 6-axis robot with
Model B controller
- Robot mounting plate
- Design of end-of-arm-tooling
with 2- or 3-jaw chucks
- Seamless FANUC-to-FANUC
machine tool interface
- Required FANUC software
options, material handling
software, collision guard
- Part staging tables
with safety fencing
- Pneumatic autodoor
- Standard configuration:
2 tables for mounting
parts locator fixtures
- Factory setup and
initial programming



DooCell

Robotic Machining Cell



www.doosaninfracore.com/machinetools

Doosan Infracore Machine Tools

Doosan Infracore America Corp.
19A Chapin Rd. Pine Brook, NJ 07058, U.S.A.
Tel: ++1-973-618-2500 Fax: ++1-973-618-2501

All specifications and information provided subject to change without notice



DooCell®

Robotic Machining Cell

The ultimate in simple installation and operation, reliability, repeatability, flexibility, and productivity



Configure a DooCell to your specific needs

1	Part blank geometry (choose one)
	<input type="checkbox"/> Square <input type="checkbox"/> Rectangle <input type="checkbox"/> Round <input type="checkbox"/> Bar Length Width Height Diameter Length
2	Part blank weight
	<input type="checkbox"/> Up to 5 pounds (\$) <input type="checkbox"/> Up to 12 pounds (\$\$) <input type="checkbox"/> Up to 25 pounds (\$\$\$\$)
3	Current workholding
	<input type="checkbox"/> Chuck <input type="checkbox"/> Vise
4	Machining operations
	 Robot feeding one machine <input type="checkbox"/> Turning <input type="checkbox"/> Milling
	 <input type="checkbox"/> Robot feeding two machines (any combination)
5	Current part cycle times
	<input type="checkbox"/> Op 10 <input type="checkbox"/> Op 20 <input type="checkbox"/> New part _____

Reliable

Never sick
Always available for work

Repeatable

Does exactly what it has been programmed to do
Never forgets what it was taught
Always works at the same pace

Flexible

Can run one or two machines — Any combination of lathes/mills
Stock — Rectangular, square, round, or bar
Choice of parts staging — shelf system (with or without conveyors), or drawer system
Can accommodate parts to 5, 10, or 25 pounds
Can wash, dry, deburr, measure, or mark parts
Op 10 and 20 capable
Optional part turnover

Productive

Works through lunches, breaks, shift changes, nights, and weekends
Standard touch screen HMI with simple commands for ease of operation

Cost-Effective

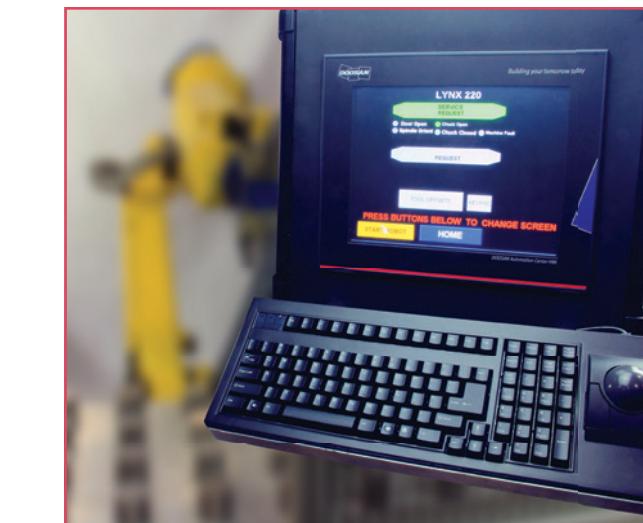
Never needs a pay raise
Require no health insurance or other fringe benefits

Exclusive smart touchscreen HMI cell controller

A simple, easy-to-use touchscreen, the Doosan HMI Cell Controller allows real-time monitoring and control of both the machine and robot. And because the controls for both the machine and robot are manufactured by FANUC, they work together flawlessly.

Doosan's smart touchscreen HMI Cell Controller:

- Dramatically simplifies setup, operation, cell monitoring, and error recovery
- Shortens operator learning curve
- Simple, one-touch error recovery gets you back machining in only 5 minutes (compared to 1 hour or more with other cells/controls)



HMI cell controller standard features

Single machine control

- Machine/robot communications
- Machine status
- Error recovery screen (factory setup required)
- Robot program selection
- Robot program status
- Robot gripper status
- iR Vision setup tools (optional)



Two machine control

includes all the features of the single machine control plus:

- Multiple machine interface
- Remote CNC program editing
- Remote offset capability
- Tool life management reset

